In the Claims

1.   (Currently amended) A distributed system comprising:

a plurality of cooperative processes running on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor; and

a system synchronizer sending a timing message to be logged ~~from time to time~~ to the plurality of cooperative processes;

a search engine running on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction.

2.   (Original) A distributed system as in claim 1, wherein the query is issued to the processors as a distributed query.

3.   (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing debugging of the distributed system.

4.   (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing an audit trail of distributed transactions.

5.   (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a manufacturing process.

6.   (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing monitoring of a business process.

7.   (Withdrawn) A distributed system as in claim 1, wherein the query is issued from a client performing application integration.

8.   (Original) A distributed system as in claim 1, wherein the query is issued from a client which merges the results received from search engines responding to the query.

9.   (Original) A distributed system as in claim 8, wherein the client applies program rules on the merged results to determine correct operation of the distributed system.

10.   (Original) A distributed system as in claim 1, wherein each search engine generates indices to the records of execution.

11.   (Original) A distributed system as in claim 10, wherein the indices is created in memory.

12.   (Original) A distributed system as in claim 11, wherein a portion of the indices are stored onto disk after a specified time period.

13.   (Original) A distributed system as in claim 11, wherein the indices in memory and the portion of the indices stored onto disk are merged from time to time.

14.   (Currently amended) A method for analyzing a distributed system, comprising:

running a plurality of cooperative processes on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging, in a local resource, records of execution of the distributed transaction by the process on its processor;

sending a timing message to be logged from time to time to the plurality of cooperative processes; and

Serial No. 10/813,940

running a search engine on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query regarding the distributed transaction.

15.   (Original) A method as in claim 14, wherein the query is issued to the processors as a distributed query.

16.   (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing debugging of the distributed system.

17.   (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing an audit trail of distributed transactions.

18.   (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a manufacturing process.

19.   (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing monitoring of a business process.

20.   (Withdrawn) A method as in claim 14, wherein the query is issued from a client performing application integration.

21.   (Original) A method as in claim 14, wherein the query is issued from a client, further comprising merging in the client the results received from search engines responding to the query.

22.   (Original) A method as in claim 21, further comprising applying in the client program rules on the merged results to determine correct operation of the distributed system.

23.   (Original) A method as in claim 14, further comprising generating in each

search engine indices to the records of execution.

24.   (Original) A method as in claim 23, wherein the indices are created in memory.

25.   (Original) A method as in claim 24, further comprising storing a portion of the indices onto disk after a specified time period.

26.   (Original) A method as in claim 25, further comprising merging, from time to time, the indices in memory and the portion of the indices stored onto disk.